



MAR 23 2000  
TECH CENTER 1600/2900

SEQUENCE LISTING

<110> Wallis, Nicola G.  
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<120> MurC

<130> GM10025

<140> US 09/103,287  
<141> 1998-06-23

<150> US 60/052,720  
<151> 1997-07-03

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<170> FastSEQ for Windows Version 4.0

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gggtctaata	acataaaaaga	agatatggta	gttatacag	gtaatgcatt	cgcgagtagc	240
catgaagaaa	tagtacgtgc	acatcaattt	aaatttagatg	ttgttaagttt	taatgatttt	300
tttaggacaga	ttatttgcata	atatacttca	gtagctgttt	ctggcaca	tggtaaaact	360
tctacaacag	gttttattatc	acatgtttag	aatggtgata	aaaagacttc	atttttaattt	420
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gcagatgttc	caatttatta	ctatggattt	aaagattcgg	atgacatttta	tgctcaaaat	720
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cacttcctgt	ctccacaata	tggtgaccat	acagttttaa	atgcatttagc	tgtaattgcg	840
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gcacaccatc	caagagaaaat	tagtgcata	attgacacag	cacgaaagaa	atatccacat	1020
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tcgttcat	atgaagatct	tattaatgtt	ttagaacaat	ttgataatgc	tgttgttttt	1260
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<212> PRT

<213> Staphylococcus aureus

<400> 2

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35 40 45  
Lys Ile Leu Pro Phe Gly Ala Asn Asn Ile Lys Glu Asp Met Val Val  
50 55 60  
Ile Gln Gly Asn Ala Phe Ala Ser Ser His Glu Glu Ile Val Arg Ala  
65 70 75 80  
His Gln Leu Lys Leu Asp Val Val Ser Tyr Asn Asp Phe Leu Gly Gln  
85 90 95  
Ile Ile Asp Gln Tyr Thr Ser Val Ala Val Thr Gly Ala His Gly Lys  
100 105 110  
Thr Ser Thr Thr Gly Leu Leu Ser His Val Met Asn Gly Asp Lys Lys  
115 120 125  
Thr Ser Phe Leu Ile Gly Asp Gly Thr Gly Met Gly Leu Pro Glu Ser  
130 135 140  
Asp Tyr Phe Ala Phe Glu Ala Cys Glu Tyr Arg Arg His Phe Leu Ser  
145 150 155 160  
Tyr Lys Pro Asp Tyr Ala Ile Met Thr Asn Ile Asp Phe Asp His Pro  
165 170 175  
Asp Tyr Phe Lys Asp Ile Asn Asp Val Phe Asp Ala Phe Gln Glu Met  
180 185 190  
Ala His Asn Val Lys Lys Gly Ile Ile Ala Trp Gly Asp Asp Glu His  
195 200 205  
Leu Arg Lys Ile Glu Ala Asp Val Pro Ile Tyr Tyr Gly Phe Lys  
210 215 220  
Asp Ser Asp Asp Ile Tyr Ala Gln Asn Ile Gln Ile Thr Asp Lys Gly  
225 230 235 240  
Thr Ala Phe Asp Val Tyr Val Asp Gly Glu Phe Tyr Asp His Phe Leu  
245 250 255  
Ser Pro Gln Tyr Gly Asp His Thr Val Leu Asn Ala Leu Ala Val Ile  
260 265 270  
Ala Ile Ser Tyr Leu Glu Lys Leu Asp Val Thr Asn Ile Lys Glu Ala  
275 280 285  
Leu Glu Thr Phe Gly Gly Val Lys Arg Arg Phe Asn Glu Thr Thr Ile  
290 295 300  
Ala Asn Gln Val Ile Val Asp Asp Tyr Ala His His Pro Arg Glu Ile  
305 310 315 320  
Ser Ala Thr Ile Asp Thr Ala Arg Lys Lys Tyr Pro His Lys Glu Val  
325 330 335  
Val Ala Val Phe Gln Pro His Thr Phe Ser Arg Thr Gln Ala Phe Leu  
340 345 350  
Asn Glu Phe Ala Glu Ser Leu Cys Lys Ala Asp Arg Val Phe Leu Cys  
355 360 365  
Glu Ile Phe Gly Ser Ile Arg Glu Asn Ser Gly Ala Leu Thr Ile Gln  
370 375 380  
Asp Leu Ile Asp Lys Ile Gly Gly Ala Ser Phe Ile Asn Glu Asp Leu  
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ccatacagtt ttaaatgcat tagctgtaat tgcgattagt tatttagaga agctagatgt 180  
tacaaatatt aaagaagcat tagaaacgtt tgggtgggtt aaacgtcggt tcaatgaaac 240  
tacaattgca aatcaagttt ttgttagatga ttatgcacac catccaagag aaatttagtgc 300  
tacaattgac acagcacgaa agaaaatatcc acataaagaa gttgtgcag tatttcaacc 360  
acacactttc tctagaacac aagcattttt aaatgaattt gcagaaagtt taagtaaagc 420  
agatcgtgta ttcttatgtg aaatttttgg atcaattaga gaaaatactg gcgcatataac 480  
gatacaagat ttaatttgata aaattgaagg tgcattgtt attaatgaag attctattaa 540  
tgtatttagaa caatttgata atgctgttgtt tttattttatg ggtgcaggtg atattcaaaa 600  
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<212> PRT  
<213> *Staphylococcus aureus*

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20 25 30
Phe Leu Ser Pro Gln Tyr Gly Asp His Thr Val Leu Asn Ala Leu Ala
35 40 45
Val Ile Ala Ile Ser Tyr Leu Glu Lys Leu Asp Val Thr Asn Ile Lys
50 55 60
Glu Ala Leu Glu Thr Phe Gly Gly Val Lys Arg Arg Phe Asn Glu Thr
65 70 75 80
Thr Ile Ala Asn Gln Val Ile Val Asp Asp Tyr Ala His His Pro Arg
85 90 95
Glu Ile Ser Ala Thr Ile Asp Thr Ala Arg Lys Lys Tyr Pro His Lys
100 105 110
Glu Val Val Ala Val Phe Gln Pro His Thr Phe Ser Arg Thr Gln Ala
115 120 125
Phe Leu Asn Glu Phe Ala Glu Ser Leu Ser Lys Ala Asp Arg Val Phe
130 135 140
Leu Cys Glu Ile Phe Gly Ser Ile Arg Glu Asn Thr Gly Ala Leu Thr
145 150 155 160
Ile Gln Asp Leu Ile Asp Lys Ile Glu Gly Ala Ser Leu Ile Asn Glu
165 170 175
Asp Ser Ile Asn Val Leu Glu Gln Phe Asp Asn Ala Val Val Leu Phe
180 185 190

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Met Gly Ala Gly Asp Ile Gln Lys Leu Gln Asn Ala Tyr Leu Asp Lys  
195 200 205  
Leu Gly Met Lys Asn Ala Phe  
210 215

*B1*  
<210> 5  
<211> 19  
<212> DNA  
<213> *Staphylococcus aureus*

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<210> 6  
<211> 19  
<212> DNA  
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<400> 6  
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